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NEW TO OKLAHOMA: *ANTHOXANTHUM ODORATUM* L. (POACEAE)

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ABSTRACT

This paper documents the occurrence of a vascular plant species previously unknown to the flora of Oklahoma. *Anthoxanthum odoratum* L., a European grass, was discovered in a prairie hay meadow in McIntosh County in east-central Oklahoma and a roadside ditch in Pushmataha County in southeastern Oklahoma.

KEY WORDS: *Anthoxanthum odoratum*, Poaceae, Oklahoma, exotic

Anthoxanthum odoratum L. (Poaceae, Aveneae; sweet vernalgrass) is a perennial grass native to Europe (Pereira et al. 2007). In North America, it has been reported from a majority of states and provinces north of Mexico, including neighboring Colorado, New Mexico, Texas, Arkansas, and Missouri (Kartesz 2011; USDA, NRCS 2011). The first Oklahoma collection (AB-8083) was found in a prairie hay meadow east of Checotah in eastern McIntosh County. A second Oklahoma population (AB-9220) was found in a moist, disturbed ditch in southwestern Pushmataha County. These two collections are the first reports of the species in Oklahoma (Hoagland et al. 2011).

USA. **Oklahoma**. **McIntosh Co.**: 2.2 mi E of Checotah on Hwy 266, S side of road; 15S 274377 3927365; T11N R17E Sec. 2, associated species: *Dodecatheon meadia*, *Orbexilum pedunculatum*, *Castilleja purpurea* var. *citrina*, and other native prairie forbs and grasses, 7 May 2009, *Buthod & Hoagland, AB-8083* (OKL). **Pushmataha Co.**: 0.3 mi N of Hwy 3/Indian Nations Turnpike junction just S of McDonalds parking lot; 15 S 255631 3791980; T4S R16E Sec. 5, associated species: *Erigeron tenuis*, *Verbena halei*, and *Cerastium glomeratum*, 13 Apr 2011, *Buthod, AB-9220* (OKL). Figure 1.

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Figure 1. *Anthoxanthum odoratum* from a naturalized population in Pushmataha Co. Oklahoma.